

BRUHAT BANAGLORE MAHANAGARA PALIKE

EXTRA ITEM RATE LISTName of Work: **Modified Estimate for Maintanance and Repairs of Bore well in Sidedahalli Village of Bagalagunte Ward No. 14**

SI No	Item Of Work	Unit	Estimate qty	Rate in Rs. Considering 2018-19 PWD SR	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
EIRL-1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 4.00 N/mm ² confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of	Sqm	133.73	1024.91	137061.70	Additional Item	No	-	Yes, (KPWD SR 2018-19, Page No.25 Item No.5.26.2)	
EIRL-2	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of	Sqm	59.13	218.09	12896.14	Additional Item	No	-	Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	

Item Of Work	Unit	Estimate qty	Rate in Rs. Considering 2018-19 PWD SR	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
3 KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitted subdividing the frame	Sqm	3.12	4820.60	15040.27	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	

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EIRL-4	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per	Kgs	131.04	107.35	14067.14	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	
EIRL-5	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of	Sqm	79.38	311.88	24757.03	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	
EIRL-6	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper	Sqm	138.51	94.92	13147.37	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	

Sl No	Item Of Work	Unit	Estimate qty	Rate in Rs. Considering 2018-19 PWD SR	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
EIRL-7	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials labour	Sqm	136.23	94.92	12930.95	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	
EIRL-8	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Class B submersible pumpset 20HP	Nos	2.00	83474.53	166949.06	Additional Item	No		Yes, (KPWD SR 2018-19, Page No.299, Item No.38.30)	
EIRL-9	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc. complete P-554	Mtrs	120.00	84.75	10170.00	Additional Item	No		Yes, (BWSSB SR 2018-19, Page No.299, Item No.38.30)	
EIRL-10	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required P-427 L-11 (a) BWSSB SR	Mtrs	120.00	10.17	1220.40	Additional Item	No		Yes, (BWSSB SR 2018-19, Page No.299, Item No.38.30)	

EIRL-11	Supplying and laying of L.T.O.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable 9Confirming to IS 1554) P.No.553, IT.No 10(d) BWSSB SR 2018-10	Mtrs	120.00	169.50	20340.00	Additional Item	No		Yes, (BWSSB SR 2018-19, Page No.299, Item No.38.30)	
EIRL-12	BESCOM deposit Charges	Each	2.00	6000.00	12000.00	Additional Item	No			
TOTAL EIRL AMOUNT					457696.28					
					440580.07					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST = $\frac{457696.28}{3156667.67} \times 100 = 14.50\%$ 13.96%

[Signature]
Assistant Engineer
Ward No.14
BBMP, Bangalore

[Signature]
Assistant Executive Engineer
T.Dasarahalli Sub Division
BBMP, Bangalore

[Signature]
Executive Engineer
Dasarahalli Division
BBMP, Bangalore

The EIRL may be Approved.

[Signature]
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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾರಡಕ್ಕು ವಲಯ, ಬೆಂಗಳೂರು

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Modified Estimate for Maintenance and Repairs of Bore well in Sidedahalli Village of Bagalagunte Ward No. 14

Name of the Contractor: Inchara Constructions (Sri.Shantha Kumar. P.)

Sanctioned Estimate Amount: 35.00 Lakhs

Sanctioned Tender Amount: 31,56,656.67

Tender Premium: 4.00% Above

WORKSLIP STATEMENT

Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%				Above 125%		Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount		Qty	Rate	Amount		Qty	Rate	Amount		
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear	Cum	44.60	337.87	15069.00	51.62	51.62	337.87	17439.16	0.00	337.87	0.00	17439.16	2370.16	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all	Cum	9.49	6145.01	58316.14	23.41	11.86	6145.01	72879.82	11.54	6145.01	70913.42	143793.23	85477.09	
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 25 / Item No. 5.6, PWD	Cum	34.76	5256.17	182704.47	25.41	25.41	5256.17	133559.28	0.00	5256.17	0.00	133559.28		49145.19
4	Providing ruled pointing to coursed masonry with cement mortar 1:3 20 mm deep after racking the joints to depth of 20 mm nicely lining including cost of materials,labour,curing complete as per specification (P-15,1-15.3 PWD SR 2018-19)	Sqm	31.00	173.25	5370.75	6.80	6.80	173.25	1178.10	0.00	173.25	0.00	1178.10		4192.65

Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
5	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KRS 2.9 Page No. 7 / Item No.	Cum	44.60	227.13	10130.00	51.62	51.62	227.13	11723.31	0.00	227.13	0.00	11723.31	1593.32	
6	Providing and laying in position reinforced cement concrete of design mix M 25 with OPC Cement @ 340 kgs with 20 mm and down size granite coarse aggregates @0.70 cum and fine aggregates @0.47 cum with super plasticiser @3 ltrs conforming to IS 9103-1999 Reaffirmed 2008 at machine mixed concrete of ready mixed concrete laid in layers not exceeding 15 cms thick and well compacted vibrating, curing, for footings pedestals retaining	Cum	3.70	7257.06	26851.12	11.91	4.63	7257.06	33600.19	7.29	7257.06	52903.97	86504.16	59653.03	
7	Providing and laying in position plain cement concrete of mix 1:2:4 with opc cement @240 kgs with 20 mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459 cum machine mixed concrete laid in layers not exceeding 15 cms thick well compacted for coping including cost of materials, labour HOM of machinery etc complete as per specifications (P.13 L.46 OF PWD)	Cum	2.09	6427.72	13433.93	12.94	2.61	6427.72	16776.35	10.33	6427.72	66398.35	83174.70	69740.76	

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			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery	Tonnes	0.70	88148.22	61703.75	1.19	0.88	88148.22	77570.43	0.32	88148.22	28207.43	105777.86	44074.11	
9	KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2018-19	Sqm	24.66	329.96	8136.81	108.78	30.83	329.96	10172.67	77.95	329.96	25720.38	35893.05	27756.24	
10	Fabricating, supplying and erecting M.S. Tubular Truss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset	Sqm	1826.76	125.43	229130.51	0.00	0.00	125.43	0.00		125.43	0.00	0.00		229130.51

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			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
11	Providing and fixing self supported, Ribbed, high quality, high grade (D350 MPA Yst Min), pre painted Galvalume steel Roof sheet coated with bare Galvalume coating AZ 150 @ 150 gms/Smtr 55 % AL, 45 % Zn) by hot dip process of total coated thickness as specified for different spans with tolerance of +/- 0.02 mm ,according to technical specifications conforming to A 792 with NCCA 11-1, or ECCA T4 Pencil hard ness HB NCCA Standard T- bend test The Roof should be fastened to the gutter	Sqm	172.44	2469.06	425764.71	0.00	0.00	2469.06	0.00		2469.06	0.00	0.00		425764.71
12	Providing and fixing pull and push type rolling shutters of approved mke out of 18 guage ,75 mm wide cold rolled steel laths of convex corrugation with side guides and bottom rail with inter locking arrangements for steel laths by means of alternate clips suspension shaft with high tension coil type springs two numbers mounted on a specially designed pipe shaft with bracket plates guide channels ball bearing arrangements for inside &out side locking with push &pull	Sqm	12.50	2945.92	36824.00	11.70	11.70	2945.92	34467.26		2945.92	0.00	34467.26		2356.74
13	Providing and fixing top covers made out of 20 guage MS Sheet over pull and push rolling shutters bent to shape including cost of red led primer coat of painting materials labour HOM of machinary etc complete as per specifications P-34,I-7.6 KPWD SR 2018-19	Mtrs	5.00	544.66	2723.30	3.90	3.90	544.66	2124.17		544.66	0.00	2124.17		599.13

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			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
14	KSRB15-3-13 : Providing, 20 mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No.116. Item	Sqm	42.24	339.36	14334.57	184.13	52.80	339.36	17918.21	131.33	339.36	44568.15	62486.36	48151.79	
15	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc. complete as per	Sqm	64.96	2730.58	177378.48	74.13	74.13	2730.58	202417.90		2730.58	0.00	202417.90	25039.42	
16	KSRB 7.10 : Providing and fixing in position aluminium Partition walls as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.2mm thick	Sqm	11.34	3801.33	43107.08	22.02	14.18	3801.33	53902.86	7.85	3801.33	29840.44	83743.30	40636.22	

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		Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
17 KSRB 7.10 : Providing and fixing, in position aluminium Doors as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm,	Sqm	3.78	6928.05	26188.03	3.78	3.78	6928.05	26188.03		6928.05	0.00	26188.03	0.00	0.00
18 KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per	Sqm	79.40	46.33	3678.60	28.08	28.08	46.33	1300.95		46.33	0.00	1300.95		2377.66
19 KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications (Sl.No 15.74, Page	Sqm	79.40	107.35	8523.59	33.35	33.35	107.35	3579.59		107.35	0.00	3579.59		4944.00
20 Water purification plants supplying, installation and commissioning of Automatic Water Purification Plant (RO+UF) with all accessories piping, product water tank on single phase power supply on turnkey /EPC Basic as per the enclosed detailed technical specifications including cost of materials	Nos	2.00	418520.00	837040.00	2.00	2.00	418520.00	837040.00		418520.00	0.00	837040.00	0.00	0.00
21 Additional price for installation of Ultra violet System	Nos	2.00	10463.00	20926.00	2.00	2.00	10463.00	20926.00		10463.00	0.00	20926.00	0.00	0.00

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		Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
12 KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete.	Nos	2.00	7715.67	15431.34	2.00	2.00	7715.67	15431.34		7715.67	0.00	15431.34	0.00	0.00
23 Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc) - 25mm nominal OD pipes (P.No.96, I.No. 13.86.3	Mtrs	60.00	265.55	15933.00	60.00	60.00	265.55	15933.00		265.55	0.00	15933.00	0.00	0.00
24 Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost	Mtrs	40.00	331.09	13243.60	40.00	40.00	331.09	13243.60		331.09	0.00	13243.60	0.00	0.00

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		Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
25 Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including, all CPVC plain and brass threaded fittings including fixing, the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work)	Mtrs	40.00	422.62	16904.80	40.00	40.00	422.62	16904.80		422.62	0.00	16904.80	0.00	0.00
26 Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtrs	80.00	52.32	4185.60	80.00	80.00	52.32	4185.60		52.32	0.00	4185.60	0.00	0.00
27 Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of GROUP -A	Mtrs	140.00	21.45	3003.00	140.00	140.00	21.45	3003.00		21.45	0.00	3003.00	0.00	0.00
28 2) 2.5 Sq mm	Mtrs	100.00	33.48	3348.00	100.00	100.00	33.48	3348.00		33.48	0.00	3348.00	0.00	0.00
29 3) 4.0 Sq mm	Mtrs	40.00	47.08	1883.20	40.00	40.00	47.08	1883.20		47.08	0.00	1883.20	0.00	0.00
30 Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using, 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.	Points	8.00	167.41	1339.28	8.00	8.00	167.41	1339.28		167.41	0.00	1339.28	0.00	0.00

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			Qty	Rate	Amount		Qty	Qty	Rate	Amount	Qty	Rate			
31	Medium Point above 3.0 Mtr Up to 6 Mtr from tapping point to outlet via switch box	Points	4.00	261.58	1046.32	4.00	4.00	261.58	1046.32		261.58	0.00	1046.32	0.00	0.00
32	Long Point Above 6.0 Mtr Up to 10 Mtr from tapping point to outlet via switch box	Points	2.00	392.36	784.72	2.00	2.00	392.36	784.72		392.36	0.00	784.72	0.00	0.00
33	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (1.6.5) 4"x4"x3" (16-18 way	Nos	6.00	99.40	596.40	6.00	6.00	99.40	596.40		99.40	0.00	596.40	0.00	0.00
34		Nos	4.00	188.33	753.32	4.00	4.00	188.33	753.32		188.33	0.00	753.32	0.00	0.00
35	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machine screws bolts nuts, etc complete on the existing metal/PVC box (P-9, I-3.5 OF Electrical PWD SR 2019-	Nos	6.00	115.09	690.54	6.00	6.00	115.09	690.54		115.09	0.00	690.54	0.00	0.00
36	16-18 Module	Nos	4.00	282.50	1130.00	4.00	4.00	282.50	1130.00		282.50	0.00	1130.00	0.00	0.00
37	Supplying and fixing modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 6Amps one way switch P-9, I-3.5 Of electrical SR PWD 2019-20 6Amps one way switch I 3.6.1	Each	4.00	73.24	292.96	4.00	4.00	73.24	292.96		73.24	0.00	292.96	0.00	0.00
38	16 Amps 3 way socket I-3.6.3	Each	4.00	109.86	439.44	4.00	4.00	109.86	439.44		109.86	0.00	439.44	0.00	0.00
39	16 Amps one way switch only I-3.6.8	Each	4.00	120.32	481.28	4.00	4.00	120.32	481.28		120.32	0.00	481.28	0.00	0.00
40	6/16 Amps universal socket I-3.6.4	Each	6.00	169.50	1017.00	6.00	6.00	169.50	1017.00		169.50	0.00	1017.00	0.00	0.00
41	1000-1200 watts Dimmer I-3.6.7	Each	12.00	575.47	6905.64	12.00	12.00	575.47	6905.64		575.47	0.00	6905.64	0.00	0.00

Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
42	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10 K and complete wiring as required conforming to IEC 60898 6-32 Amps DP (P-27,1-5.17 of electrical PWD SR 2019, 20)	Each	4.00	951.09	3804.36	4.00	4.00	951.09	3804.36		951.09	0.00	3804.36	0.00	0.00
43	Supplying, fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm around with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts	Nos	4.00	3138.59	12554.36	4.00	4.00	3138.59	12554.36		3138.59	0.00	12554.36	0.00	0.00
44	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers, 16 Amps (p-24,1-	Each	2.00	122.42	244.84	2.00	2.00	122.42	244.84		122.42	0.00	244.84	0.00	0.00

Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount			
45	Supplying and fixing retrofit PL-LED lamp.....W LED Linear source with cct 6500 degree K ,CRI >70% Efficiency >80 lumen per watt life >25000 burning hours and compliance to IS 10322 / IEC 60598 ,LM 79 & LM 80 The LED are driven by HF electronic driver integrated in the system with PF >0.95,Power should < 5% of lamp wattage short circuit and open circuit protection to be integrated in the circuit THD less than 20 % life as per LM 79 The operating input voltage should be between 130 to 275 volts Tested by NABL/CPBI accredited laboratory with 2 years warranty against manufacturing defect working under standard electrical, 18-20 Watts (P-79, I-	Nos	10.00	444.68	4446.80	10.00	10.00	444.68	4446.80		444.68	0.00	4446.80	0.00	0.00
46	Fixing all types and all capacities of fluorescent /false ceiling /spot lighting/ CFL/ LED fittings indoor on the wall/ ceiling/ ratters/ girders/ using 23/0.0076" twin twisted PVC insulated wires required no of round blocks and clamps on wall/ ceiling/ Rafter/ Girders (P -	Nos	10.00	115.09	1150.90	10.00	10.00	115.09	1150.90		115.09	0.00	1150.90	0.00	0.00
47	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply and delivery of cause heavy duty as per IS/239/1990 (P No.XLVII, SI No.01) PWD SR 2018-19	Mtrs	300.00	460.27	138081.00	432.00	375.00	460.27	172601.25	57.00	460.27	26235.39	198836.64	60755.64	
48	Supplying and Drawing 3 core Flat PVC Shalled Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgin PVC insulation and Sheathed Suitable for working Voltage Upto 1100 Volts BWSSB SR 2014-15, P- 535, I 30Page	Mtrs	600.00	171.90	103140.00	864.00	864.00	171.90	148521.60	0.00	171.90	0.00	148521.60	45381.60	

49	Supplying and delivery at site brand new star / Essen / Lotus / n shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be	Nos	10.00	15485.24	154852.40	10.00	10.00	15485.24	154852.40	15485.24	154852.40	0.00		
50	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/wall mounting fully weather proof with provision for better hear description, 9Providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq. cm	Sqm	220000.00	0.37	81400.00	220000.00	220000.00	0.37	81400.00	220000.00	0.37	81400.00		

51	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Noll KRSB 2.3 Page No. 7/ Item No. 18/2.19 (Pe. No. 18/2.19)	Cum	233.10	497.98	116079.14	27.00	27.00	497.98	13445.46	497.98	13445.46	102633.68			
52	KSRB 13.9: Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. 63MM dia Specification No KBS 13.2.15.2	Rmtr	518.00	412.58	213716.44	250.00	250.00	412.58	103145.00	412.58	103145.00	110571.44			
53	KSRB-2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item KSRB 2.3 Page No. 7/ Item No.	Cum	233.10	134.20	31282.02	27.00	27.00	134.20	3623.40	134.20	283877.00	287500.40	256218.38		
TOTAL					3156667.67			2368089.88	2344367.48	234439.96	2912121.49	510629.39	400281.81	469423.50	236737.94

Percentage of excess comparing to the sanctioned Estimated cost =

$$\frac{510629.37 - 400281.81}{3156667.67} \times 100 =$$

$$16.18\%$$

$$\frac{344787.52 - 234439.96}{2912121.49} \times 100 = 12.68\%$$

Assistant Engineer
Ward No.14
BBMP

Assistant Executive Engineer
T.Dasarahalli Sub Division
BBMP

Executive Engineer
Dasarahalli division
BBMP

The workshop may be Applied